



# 300-135<sup>Q&As</sup>

Troubleshooting and Maintaining Cisco IP Networks

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### QUESTION 1

Refer to the exhibit. An engineer is planning to implement this configuration. which two routing protocols are allowed on interface Ethernet0/0?

```
access-list 101 permit 89 any any
access-list 101 permit tcp any any eq 179
access-list 101 permit tcp any eq 179 any
access-list 101 permit gre any any
access-list 101 permit esp any any

access-list 101 deny ospf any any
access-list 101 permit tcp 10.1.1.0 0.0.0.255 172.16.1.0 0.0.0.255 eq ssh time-range TIME
access-list 101 permit tcp 10.1.1.0 0.0.0.255 172.16.1.0 0.0.0.255 eq telnet
access-list 101 permit udp 10.1.1.0 0.0.0.255 172.16.1.0 0.0.0.255 eq 500
access-list 101 permit udp 10.1.1.0 0.0.0.255 172.16.1.0 0.0.0.255 eq 4500
access-list 101 deny tcp any any eq 21
access-list 101 deny tcp any any eq 23
access-list 101 deny ip any any log
!
time-range TIME
periodic Monday Wednesday Friday 6:00 to 18:00
!
interface Ethernet0/0
ip address 10.1.1.25 255.255.255.0
ip access-group 101 in
```

- A. GRE
- B. EIGRP
- C. ESP
- D. OSPF
- E. BGP

Correct Answer: DE

### QUESTION 2

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241.

After several changes to the network addressing, routing scheme, DHCP services, NTP services, layer 2 connectivity, FHRP services, and device security, a trouble ticket has been opened indicating that Client 1 cannot ping the

209.65.200.241 address.



Use the supported commands to isolated the cause of this fault and answer the following questions.

On which device is the fault condition located?

- A. R1
- B. R2
- C. R3
- D. R4
- E. DSW1
- F. DSW2
- G. ASW1
- H. ASW2

Correct Answer: G

port security needs is configured on ASW1.

In this case we know that the client is unable to get an IP address via DHCP because it has an APIPA (Automatic Private IP Addressing), which is a 169.x.x.x IP address.

We also know that the switch port on ASW1 is in an errdisable state, which tells us that the issue is with ASW1.

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### QUESTION 3

A question about which login procedure will ask first. You see a running config user logins. `aaa new-model aaa authentication login default tacacs+ enable aaa authentication login ONLYLOCAL local aaa authentication ppp default radius local username Cisco password Cisco123 line vty 0 4`

- A. local
- B. line
- C. RADIUS
- D. TACACS+

Correct Answer: D

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### QUESTION 4



```
R1# debug migrp packet
      (UPDATE, REQUEST, QUERY, REPLY, HELLO, UNKNOWN, PROBE, ACK, STUB, SIAQUERY, SIAREPLY)

R1#
EIGRP: Lost Peer: Total 1 (0/0/0/0/0)
EIGRP: Received HELLO on Gi1.146 - paklen 20 nbr 10.1.146.6
      AS 100, Flags 0x0: (NULL), Seq 0/0 interfaceQ 0/0
EIGRP: Add Peer: Total 1 (1/0/0/0/0)
      K-value mismatch
EIGRP: Sending TIDLIST on GigabitEthernet1.146 - 1 items
EIGRP: Sending HELLO on Gi1.146 - paklen 30
      AS 100, Flags 0x0 : (NULL), Seq 0/0 interfaceQ 0/0 iidbQ un/rely /0
%DUAL-5-NBRCHANGE: EIGRP_IPv4 100: Neighbor 10.1.146.6 (GigabitEthernet1.146) is down: K-value mismatch
R1#
EIGRP: Lost Peer: Total 1 (0/0/0/0/0)
EIGRP: Sending HELLO on Gi1.13 - paklen 20
      AS 100, Flags 0x0: (NULL), Seq 0/0 interfaceQ 0/0 iidbQ un/rely 0/0
R1#
EIGRP: Gi1.13: ignored packet from 10.1.13.3, opcode = 5 (authentication off or key-chain missing)
R1#
EIGRP: Received HELLO on Gi1.146 - paklen 20 nbr 10.1.146.4
      AS 100, Flags 0x0: (NULL), Seq 0/0 interfaceQ 0/0
```

Refer to the exhibit. When troubleshooting an adjacency issue on router R1, you generated the given debug output. Which two values are mismatched between R1 and its neighbor? (Choose two.)

- A. hello timer settings
- B. metric calculation mechanisms
- C. authentication parameters
- D. autonomous system numbers
- E. hold timer settings

Correct Answer: BD

#### QUESTION 5

which feature allows a floating route to be quickly installed into the routing table when GRE communications are disrupted?

- A. tracking objects
- B. HSRPv2
- C. GRE keepalives
- D. IP SLA

Correct Answer: A



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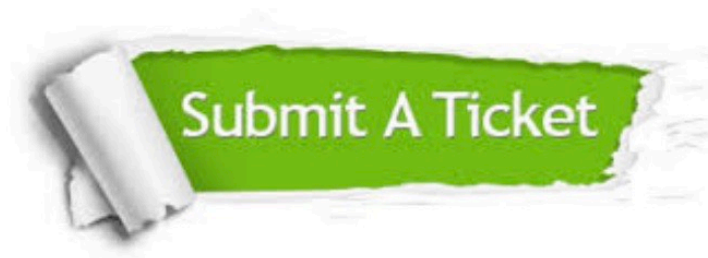
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